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		AA1	4,358		11/09/1982	Falkow et al.	435			12/08/1980
$\mathcal{H}$	$\leftarrow$	AB1	4,446		05/01/1984	Berninger	436	5	04	03/27/1981
<u>~</u> 1		AC1	4,563		01/07/1986	Albarella et al.	435			01/07/1986
-+	1. 1. 2. 100.000	AD1	4,581		04/08/1986	Kourilsky et al.	435	6		04/29/1982
-+		AE1	4,582		04/15/1986	Erlich	435	6	·	01/07/1983
-†		AF1	4,582		04/15/1986	Sheldon, III et al.	435	6		12/18/1984
+		AG1	4,683		07/28/1987	Saiki et al.	435	6		03/28/1985
-†-		AH1	4,683		07/28/1987	Mullis	435	; 9	1	10/25/1985
-1-		AI1	4,889		12/26/1989	Gelfand et al.	435	; 1	94	06/17/1987
		AJ1	4,965		10/23/1990	Mullis et al.	435	5 6		06/17/1987
デオ	6	AK1	5,047		09/10/1991	Chatterjee	435	5 1	94	08/10/1989
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7		AL1	EP 0	050 424	09/24/1981	Europe				
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		AN1	EP 0	144 914	11/29/1984	Europe				۱
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st		AS	1	Antao, V.P. hairpin tet	and Tinoco, I raloops," <i>Nucl</i>	., Jr., "Thermodynamic para . Acids Res. 20:819-824 (19	ameters for l 92).	.oop forma	tion in R	NA and DNA
A		AT	1	Austermann, by 3'-Block	S., et al., " red Oligonucleo	Inhibition of Human Immunoc otide Primers," <i>Biochem. Pha</i>	deficiency Vi armacol. 43:2	rus Type 581-2589 (	1 Reverse (1992).	e Transcriptas
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(1)	AB2	5,143	5,854	09/01/1992	-	irrung et al.	436		518	03/07/1990
	AC2	5,137		08/11/1992	-	ashtchian et al.	435		91	06/14/1991
	AD2	5,194	,370	03/16/1993	+	erninger et al.	436		501	05/16/1990
	AE2	5,244	,797	09/14/1993	+-	otewicz et al.	435		194	03/18/1991
	AF2	5,252	2,743	10/12/1993	В	arrett et al.	548		303.7	11/13/1990
	AG2	5,270	0,179	12/14/1993	_	hatterjee	435		69.1	01/28/1992
	AH2	5,334	4,515	08/02/1994	R	ashtchian <i>et al.</i>	435	•	91.2	03/29/1993
	A12	5,338	3,671	08/16/1994	s	calice et al.	435		91.2	10/07/1992
d	AJ2	5,348	3,853	09/20/1994	<u>v</u>	ang et al.	435	;	6	12/16/1991
<u> </u>	AK2	5,374	4,553	12/20/1994	G	elfand et al.	435	;	252.3	08/13/1990
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	A02	WO 88	8/10315	12/29/1988	_ w	IPO				Yes No
1	AP2	WO 89	9/06700	07/27/1989	W	1P0				Yes No
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AU	AR	2	Barnes, W.M deletion,"	., "The fidelity Gene 112:29-35 (	/ 01 199	<i>Taq</i> polymerase catalyzing PC 2).	₹.is	improved	d by an N-te	erminal
1	AS	2	Bonnet, G., Proc. Natl.	et al., "Thermo Acad. Sci. USA S	odyr 96:0	namic basis of the enhanced spe 5171-6176 (May 1999).	ecifi	city of	structured	DNA probes,"
	AT	2	Cardullo <i>et</i> energy tran	al, "Detection sfer," Proc. Nat	of :1.	nucleic acid hybridization by Acad. Sci. USA 85:8790-8794 (1	non 988).	radiati	ve fluoresco	ence resonance
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$\partial_{\mathbf{n}}$	AB3	~ 1 <u> </u>	36,327	07/25/1995	Southern et al.	536		10/21/1989
	AC3		5,934	08/29/1995	Fodor et al.	435		10/30/1992
	AD3		9,603	09/12/1995	Nielson et al.	435		10/24/1989
	AE3		5,166	10/03/1995	Walker	435	91.2	01/09/1992
	AF3	-	2,462	04/30/1996	Cheng	435	91.2	02/25/1994
	AG3	1	29,756	06/25/1996	Brennan	422	131	07/13/1995
	AH3		78,467	11/26/1996	Schuster et al.	435	91.2	05/20/1994
	A13		37,287	12/24/1996	Scalice et al.	435	6	04/07/1994
	AJ3	5,59	93,840	01/14/1997	Bhatnagar et al.	435	6	06/05/1995
	AK3	5,59	94,183	01/14/1997	Colin	73	864.52	07/26/1994
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Υ		WO 9	2/06188	04/16/1992	WIPO			<u> </u>
	AN3	WO 9	2/06200	04/16/1992	WIPO			1
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R	AT	3	Clegg, R.M. 211:353-388	, "Fluorescence (1992).	e Resonance Energy Transfe	er and Nucleic	Acids," <i>Methods</i>	Enzymol.
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(IFL	AA4	5,595,890	01/21/1997	Newton et al.	435	91.2	02/17/1995
<u> </u>	AB4	5,599,695	02/04/1997	Pease et al.	435	91.1	02/27/1995
	AC4	5,605,824	02/25/1997	Nielson et al.	435	194	06/16/1993
	AD4	5,614,365	03/25/1997	Tabor et al.	435	6	11/10/1994
	AE4	5,639,611	06/17/1997	Wallace et al.	435	6	11/09/1994
	AF4	5,646,019	07/08/1997	Nielson et al.	435	91.5	04/07/1994
	AG4	5,668,005	09/16/1997	Kotewicz et al.	435	194	03/12/1996
	AH4	5,728,526	03/17/1998	George, Jr. et al.	435	6	01/07/1995
	A14	5,763,170	06/09/1998	Raybuck	435	6	06/05/1995
	AJ4	5,773,257	06/30/1998	Nielson et al.	435	91.1	06/06/1995
	AK4	5,800,992	09/01/1998	Fodor et al.	435	6	06/25/1996
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<u> </u>	AM4	EP 0 436 644 B1	04/17/1996	Europe			
	AN4	EP 0 795 612 A2	09/17/1997	Еигоре			
	A04	WO 98/09451	03/05/1998	WIPO			
l	AP4	WO 98/35060	08/13/1998	WIPO			
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He	AR	4 Clegg, R.M. fluorescence	, et al., "Obser e resonance ene	rving the helical geometry rgy transfer," <i>Proc. Natl.</i>	<b>y of double-str</b> . Acad. Sci. US	anded DNA in sol 4 90:2994-2998 (1	ution by 1993).
Jb	AS	<u>4</u> Flaman, J1	1., et al., "A i	rapid PCR fidelity assay,'	" Nucl. Acids R	es. 22 <b>:3259-3260</b>	(1994).
	AT	4 Gerard, G.F. Transcriptas	, et al., "cDNA se Possessing Fu	A Synthesis by Moloney Mur ull DNA Polymerase Activi1	rine Leukemia V ty," FOCUS 14:9	irus Rnase H-Min 1-93 (1992).	us Reverse
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	100	AA5 AB5		37,832 46,729	12/08/1998		wuetal.	435		6	07/01/1997		
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	╂───			56,336	02/02/1999		Schuster et al.	435		6	11/25/1996		
	<del> </del>	AD5 AE5		69,251 76,930	03/02/1999		Livak et al.	435		6	11/15/1995		
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		AF5 AG5		25,517 48,899	07/20/1999		Arnold, Jr. et al.	536		24.3	06/05/1995		
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-+		AH5 A15	-	52,172 37,130	03/14/2000		Tyagi, et al.	435		6	07/28/1998		
$\rightarrow$		A15 AJ5		48,690	04/11/2000		Heller et al.	435		6	05/14/1997		
-+		AJ5 AK5		90,552	07/18/2000	_	Nazarenko <i>et al</i> .	435		6	07/11/1997		
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6	K	AR	5	Goodchild, oligodeoxyn	J., <i>et al.</i> , "In ucleotides," <i>Pr</i>	nhib roc.	bition of human immunodef Natl. Acad. Sci. USA 85:	iciency vir :5507-5511 (	us repl (1988).	ication by a	antisense		
Æ	12	AS	5	Goodchild, oligodeoxyn (1992).	J., <i>et al.</i> , "En ucleotide (faci	nhan ilit	cement of ribozyme catal ator) and by 2'-O-methyl	ytic activi ation," <i>Nuc</i>	ty by a 1. Acid	contiguous 's Res. 20:46	07-4612		
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9	AS	6	I Template/F	, and Stammer Primer DNA Oli 116. 8:91-112	s, D.K., "Inhibition of HIV- gonucleotides: Effect of Tem (1994).	1 Reverse Tr plate Length	anscrip and Bi	tase by Definding Charac	ined cteristics," J.
	AT	<u>6</u>	Polypurine	., et al., "In e Tract-Specif 168 (1996).	hibition of Replication of F ic Self-Complementary Oligod	resh HIV Typ deoxynucleoti	be 1 Pat ide," Al	eint Isolat DS Res. Huma	es by a an Retrov.
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	AT	Z	Kelly, T.J protein fr (1998).	, et al., "Iden om the archaeon ,	tification and characte Methanococcus jannaschi	erization of a s i," Proc. Natl.	single-stranded DN Acad. Sci. USA 95	IA-binding :14634-14639
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